

Research.gov Overview

March 2012



- ★ Research.gov Introduction and Background
- ★ Overview of Research Community Services
- ★ Overview of Public Facing Services
- ★ Feedback



RESEARCH.GOV INTRODUCTION AND BACKGROUND

★ NSF is:

- The funding source for approximately 20 percent of all federally supported basic research conducted by America's colleges and universities
- Tasked with keeping the United States at the leading edge of discovery in areas from astronomy to geology to zoology



Research.gov provides easy access to research-related information and services



Researchers can do business with NSF through a suite of services



Government-wide grantees

- Find grant opportunities
- Apply for grants



NSF Grantees

- Prepare and submit proposals and reports



Research Grantees

- Support the research community with a modern technology platform

Research.gov is the modernization of FastLane, providing the next generation of grants management capabilities for the research community

Research.gov offers grants management services...



- ★ Access Services
 - InCommon
 - Single Sign-on with FastLane
- ★ Reporting Services
 - Project Outcomes Report
 - Annual, Final, and Interim Reports (Coming Soon)
- ★ Financial Services
 - The Federal Financial Report
 - Access to financial services: Cash Requests, Cash Request History, Grantee EFT Update and Grantee EFT Update History
 - Award Cash Management Service (Coming Soon)
- ★ Application Services
 - Grants Application Status
 - Application Submission Web Services

The screenshot shows the Research.gov homepage. At the top, the Research.gov logo is on the left, and a search bar with a 'Search' button is on the right. Below the logo is the tagline 'POWERING KNOWLEDGE AND INNOVATION'. A navigation bar contains links for Home, Contact Us, Site Map, and Help. On the right side of the navigation bar are links for Welcome, My Profile, Logout, and the date October 12, 2011. The main content area is divided into several sections. On the left is a 'MY DESKTOP' sidebar with links to Research.gov Services & Tools, Research Spending & Results, and Policy Library. Below this is a 'Who We Are' section with links to Service Offerings, News, and SEE Innovation. Further down is an 'APPLY FOR GRANTS' section with links to Grants.gov, NSF FastLane, and NASA Inspires. At the bottom of the sidebar is a 'FEEDBACK' section with a link to Tell Us What You Think. The main content area features a large banner for 'New! Discover the Outcomes of NSF's Science, Engineering & Education Innovation' with a 'Click here to SEE Innovation >>' link. Below the banner is a 'Our Services' section with a welcome message and a list of services: Research Spending & Results, Find Recovery Act Awards made by NSF, Science, Engineering, and Education Innovation (SEE Innovation), Policy Library, and Grants Application Status. On the right side of the main content area is a 'My Links' sidebar with sections for Federal Links (NSF.gov, USA.gov, Whitehouse.gov, DATA.gov), Research Community Links (NCURA, FPD, SRA, AAAS, Science News, Science 360), and RECOVERY.GOV. At the bottom of the sidebar is an 'Events' section.


...and public facing services



- ★ Research Spending & Results
- ★ Policy Library
- ★ SEE Innovation
- ★ Research Headlines & Events

The screenshot shows the Research.gov website with the following elements:

- Header:** "Research.gov" logo, "POWERING KNOWLEDGE AND INNOVATION", a search bar, and navigation links (Home, Contact Us, Site Map, Help). The date "October 12, 2011" is displayed on the right.
- Left Sidebar:**
 - LOGIN AS:** A dropdown menu set to "NSF Visitor" with a "Login" button. Links for "How Do I Login?" and "Register" are below.
 - Navigation Menu:**
 - > Who We Are
 - > Service Offerings
 - > News
 - ▼ SEE Innovation
 - > Research Areas
 - > Locations
 - > Research Assets
 - APPLY FOR GRANTS:**
 - Grants.gov
 - NSF FastLane
 - NASA Nspires
 - FEEDBACK:**
 - Tell Us What You Think
- Main Content Area:**
 - Understanding Quasars:** A featured article with a space image and a "Learn More" link.
 - Science, Engineering & Education Innovation:** A section with the NSF logo and text about advancing knowledge and infrastructure, with a "Learn More" link.
 - Research Areas:** A section with a "View All 12" link and a featured image for "Astronomy & Space".
 - Locations:** A section featuring an interactive map of the United States with the text "Use the interactive map to explore NSF research facilities, award highlights and topics." and a "Browse By Map" button. Below the map is a list of states with links: Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, and West Virginia.



OVERVIEW OF GRANTS MANAGEMENT SERVICES

SINGLE SIGN ON WITH FASTLANE & INCOMMON INTEGRATION

- ★ Use Research.gov to access all of NSF's FastLane service
 - NSF has made it easier for applicants and awardees to access both systems. Principal Investigators (PI), Co-PIs, Sponsored Project Office staff, and Financial Users can directly access FastLane functionality after logging into Research.gov
 - Remember, you can logon to Research.gov using your FastLane user ID and password!

InCommon Integration offers easy access to online services



★ Benefits of InCommon include:

- Secure exchange of information
- Access to web-based resources
- Ability to use the same login credentials with other federal agencies
- Reduced number of user IDs and passwords
- Access both Research.gov and FastLane using institution-issued user ID and passwords

The InCommon logo, consisting of the word "InCommon" in a blue sans-serif font with a registered trademark symbol (®) to the right.

Research.gov/InCommon participation is expanding rapidly



Participating Institutions

California Institute of Technology
Carnegie Mellon University
Colorado State University
Cornell University
Indiana University
Indiana University of Pennsylvania
Internet2
Iowa State University
Johns Hopkins
Louisiana State University
North Carolina State University
Oklahoma State University
Pennsylvania State
Texas A&M University
University of Arizona
University of Arkansas
University of Baltimore
University of California - Berkeley
University of California - Davis

University of Central Florida
University of Chicago
University of Cincinnati
University of Delaware
University of Hawaii
University of Illinois – Urbana-Champaign
University of Maryland Baltimore County
University of Memphis
University of Michigan
University of Nebraska – Lincoln
University of North Carolina – Chapel Hill
University of Pittsburgh
University of South Florida
University of Vermont
University of Washington
University of Wisconsin – Madison
University of Wisconsin - Milwaukee

★ 36 institutions have completed Research.gov/InCommon integration

★ Email feedback@research.gov to participate

PROJECT OUTCOMES REPORTS

Project Outcomes Reports are submitted through Research.gov



- ★ PIs will submit a brief (200 – 800 words of content) report and have the option to upload images via Research.gov
- ★ Effective for new awards/funding increments to existing awards made on or after January 4, 2010, due 90 days after award expiration
- ★ Ability to modify a submitted report for up to 30 days after submission. After 30 days, modifications to reports can be made by adding an unlimited number of addenda to the original report
- ★ Required in addition to final project reports submitted through FastLane

Project Outcomes Reports are used to provide information to the public



★ Project Outcomes Reports are available to the public on Research Spending & Results

Project Outcomes Report

Disclaimer

This Project Outcomes Report for the General Public is displayed verbatim as submitted by the Principal Investigator (PI) for this award. Any opinions, findings, and conclusions or recommendations expressed in this Report are those of the PI and do not necessarily reflect the views of the National Science Foundation; NSF has not approved or endorsed its content.

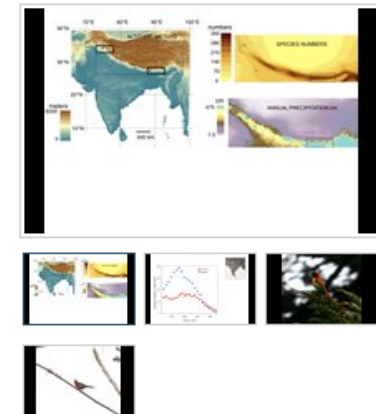
One of the most basic of ecological questions asks: why are more species found in some places of the world than others? Over the past decade, advances in our knowledge of (1) the present day distribution of species and climate, (2) relationships among those species (from DNA sequences) and (3) earth's history means that we can get much more rigorous answers to this question. In the work under review, we set out to collect these kinds of data to understand the cause of a more than two fold decline in the number of bird species breeding from the eastern Himalayas (where up to 600 species breeding in a 200 x 200km square) to the western Himalayas. The strength of the system is that >120 species are found in both locations, so we can study geographical variation within species, as well as assess the ecological attributes of those species with large ranges.

As the conceptual basis to this study (i.e., intellectual merit), we argued that any understanding of causes of differences in species numbers between locations should begin by asking: what is it that sets the range limits of many species (i.e., what is it about the conditions beyond the range limit that prevent species from establishing there). This is particularly effective for the Himalayas, because species not only have geographical range limits, but also altitudinal ones, and these kinds of limits can be compared. First, on the basis of theoretical work, we noted that understanding of range limits almost certainly requires an understanding of resources (notably food) are responding to underlying climatic variables.

The eastern Himalayas are particularly wet, and also warmer than the western Himalayas, and the big disparity in species numbers comes because certain climates are not experienced in the west at all; forest species below 2000 m decline massively from east to west, and 'open' species show no decline at all. However, many forest species do have ranges that extend from east to west. A critical question is whether those species with ranges that fail to go west are closely related to each other (and hence share some historical 'constraint'), or whether close relatives often differ in range size. We find the latter is the case: many closely related groups contain one species that lives in higher, colder, drier climates, and another that lives lower down, and it is the higher up one that has a large geographical range.

One of the more remarkable aspects of our work is how much we are learning the basic natural history, particularly of the little-known eastern Himalayas, which may have the second highest biodiversity in the world (after the northern Andes). By incorporating DNA analyses, we are finding multiple *cryptic* species in some groups (species which are very similar, but deeply genetically divergent). In this work, we are able to integrate both undergraduate and graduate students from both the US and India into both field and lab studies. The global perspective is needed to understand conservation issues, and to have much hope of conserving diversity in a region which is (1) amenable to conservation issues but (2) under considerable land and population pressure.

Images (1 of 4)



ANNUAL, FINAL, AND INTERIM PROJECT REPORTS

Annual, Final, and Interim Project Reports



- ★ The federal government is implementing a new reporting *format* for research and research-related projects called the Research Performance Progress Report (RPPR)
- ★ The RPPR is the result of the Research Business Models (RBM) Subcommittee of the Committee on Science, a committee of the National Science and Technology Council, a policy-led effort to create greater consistency in administration of federal research awards
- ★ One of the RBM Subcommittee's priority areas is to create greater consistency in the administration of federal research awards through streamlining and standardization of forms and reporting formats

- ★ Research.gov will offer the RPPR format starting January 2013, by deploying a new final, annual, and interim reporting capability that will replace the project report system in FastLane
 - The new reporting format on Research.gov will incorporate more structured collection of the project reports data

FINANCIAL SERVICES

Financial functions transitioned to Research.gov in January 2012



- ★ All financial functions are accessed through Research.gov
- ★ All Federal Financial Reports (FFRs) must be submitted via Research.gov



New policy requires FFR submission on Research.gov



- ★ Preparing, certifying and submitting FFRs in Research.gov is identical to FastLane
- ★ The Research.gov FFR function provides easy navigation and user-friendly forms

On FFR, organizations can:

- Submit multi- and single-award financial reports using the standard government-wide form
- Adjust financially closed awards
- Use view filters to highlight new awards and existing awards
- Access web-based forms pre-populated with organization and grant information
- Download and upload information in Microsoft Excel format

Use Single Sign On to Access Financial Services



- ★ Login to Research.gov to access:
 - Federal Financial Reports
- ★ Click on “FastLane” under NSF Services in navigation bar to access:
 - Cash Requests
 - Cash Request History
 - Grantee EFT Update
 - Grantee EFT Update History

★ NSF made the decision in late FY 2010 to develop a new approach to award payments and associated post award processes

- Increased focus is being placed on transparency and accountability in the stewardship of federal funds
- Congress, OMB, and other stakeholders are demanding up-to-date information on how tax dollars are spent
- OMB is developing standardized reporting requirements that NSF must comply with

The future of financial services on Research.gov *continued*



- ★ NSF is developing a new payment system to enable compliance with OMB standards
- ★ The Award Cash Management Service (ACM\$) will be available on Research.gov in 2013 and requires award level detail at the time of the payment request
 - ACM\$ will enhance access to award financial data for both awardee and program staff, and eliminate the need for the quarterly FFR

GRANT APPLICATION STATUS

Grants Application Status reports on NSF and USDA/NIFA applications



★ Check application status from submission to decision

- One day after assignment to NSF Program Officer
- Up to five days after USDA/NIFA program deadline

★ Conduct detailed searches using multiple fields

A screenshot of the "Grants Application Status Dashboard" on Research.gov. The dashboard shows a list of grant applications on the left and a detailed view of a specific application on the right. The detailed view for "Grant Application: 0967952" includes fields for Agency Name, Agency Tracking Number, Project Title, Requested Amount, Received Date, PI/PO, Co-PI(s)/Co-PI(s), Authorized Representative, and Submitting Institution.

Grants Application Status Dashboard

Agency: All [All List & More](#) | [Search Grant Applications](#)

Agency	Agency Tracking Number	Status	Requested
NSF	1101268		
NSF	1101267		
NSF	1101269		
NSF	1101261		
NSF	1101262		
NSF	1101263		
NSF	1101264		
NSF	1101266		
NSF	1101029		
NSF	1100209		

[Back to Results](#)

Grant Application: 0967952

Agency Name: National Science Foundation

Agency Tracking Number: 0967952

Project Title: VOSTURB - A Vortex Shedding Vertical Axis TI Harnessing Energy from Free Streams

Requested Amount: \$502,458

Received Date: 09/17/2009

PI/PO: Thorsten Stoesser

Co-PI(s)/Co-PI(s): Francesco Fedele, James Mayor, Anthony Yezzi, Ronald Harley

Authorized Representative: Stacey Oliver-Gooden

Submitting Institution: GA Tech Research Corporation - GA Institute o

APPLICATION SUBMISSION WEB SERVICES

Application Submission Web Services: Seamless proposal submission



- ★ Use your institution's grants management system to prepare and submit applications directly to NSF
- ★ Leverage commercial or custom-built solutions with the capability to submit applications via web services
- ★ Lay the groundwork for leveraging future investment in pre-award management



OVERVIEW OF PUBLIC FACING SERVICES

RESEARCH SPENDING & RESULTS

Research Spending & Results features NSF and NASA award information





- ★ Public visitors can access up to 6,000 search results by:
 - Institution
 - Field of science
 - State
 - Congressional district
 - . . . and more!

Search Research Spending & Results

[Quick Search](#) | [Advanced Search](#) [Description of Search Terms](#)

Search by any of the following fields:

Keyword:	<input type="text"/>	This field searches all award information. Include "Quotes" around phrases for an exact match.
Awardee:	<input type="text"/>	Searches the Awardee Legal Name (i.e., Rector & Visitors of the University of Virginia) and the Doing Business As Name (i.e., University of Virginia Main Campus) fields. Abbreviations (e.g., UVA), may not return the desired results.
Federal Award ID Number:	<input type="text"/>	
Funds Obligated to Date:	\$ <input type="text"/> To \$ <input type="text"/>	(i.e., 50000 and 100000)
Project Director/Principal Investigator:	<input type="text"/>	(Also searches for co-PDs and co-PIs)
Award Date:	<input type="text"/>  To <input type="text"/> 	(mm/dd/yyyy)
Show Only Recovery Act Awards:	<input type="checkbox"/>	

POLICY LIBRARY

Policy Library features federal and agency-specific resources



★ Policy Library includes:

- Laws and regulations
- OMB circulars
- Agency policies
- Terms & Conditions
- FDP Repository
- OSTP links
- Science and engineering statistics

A screenshot of the Research.gov Policy Library website. The page is divided into a left sidebar and a main content area. The sidebar contains a login section for NSF visitors, a search bar, a navigation menu with categories like 'Overview', 'Proposal and Award Policies', 'Related Resources', 'Who We Are', 'Service Offerings', 'Research Spending & Results', 'Policy Library', 'About Grants Application Status', 'About Federal Financial Report', 'About Project Outcomes Reports', 'About Application Submission', 'About User Management', 'News', 'SEE Innovation', and 'Apply for Grants'. The main content area has a 'Policy Library' header, a description of the resource, a 'Search by Topic Area' section with links like 'Nondiscrimination', 'Live Organisms', 'Environmental Standards', 'Allegations of Misconduct', 'US Flag Air Carriers', and 'Trafficking in Persons', a 'Search by Policy Type' section with links like 'Statutes', 'Regulations', 'OMB Circulars', 'Draft Policies', 'Policies and Procedures', and 'Terms & Conditions', a 'Policies and Procedures' section with links to 'Part I: Grant Proposal Guide (GPG)' and 'Part II: Award & Administration Guide (AAG)', and a 'Related Resources' section with links to 'Grants.gov', 'NSF FastLane', and 'NASA Nspires'.

RESEARCH HEADLINES & EVENTS

Research Headlines & Events summarizes science news



★ View the latest news and highlights from NSF, NASA, and NIFA

Headlines

January 25, 2011 [View All Headlines](#)



[Longstanding Mystery of Sun's Hot Outer Atmosphere Solved](#)
January, 06 0111 - One of the most enduring mysteries in solar physics is why the Sun's outer atmosphere, or corona, is millions of degrees hotter than its surface. [More](#)



[Rover Will Spend 7th Birthday at Stadium-Size Crater](#)
January, 06 0111 - the high resolution imaging science experiment (hirise) camera on nasa's mars reconnaissance orbiter captured a dec. 31, 2010, view of the mars exploration rover opportunity on the southwestern rim of a football-field-size crater called "santa maria." [More](#)



[NIFA Releases First of Seven Requests for Applications to the Agriculture and Food Research Initiative](#)
January, 07 2011 - The National Institute of Food and Agriculture (NIFA) today released the first request for applications (RFA) to the Agriculture and Food Research Initiative (AFRI) funding opportunity to support research, education and extension in fundamental and applied food and agricultural sciences. [More](#)

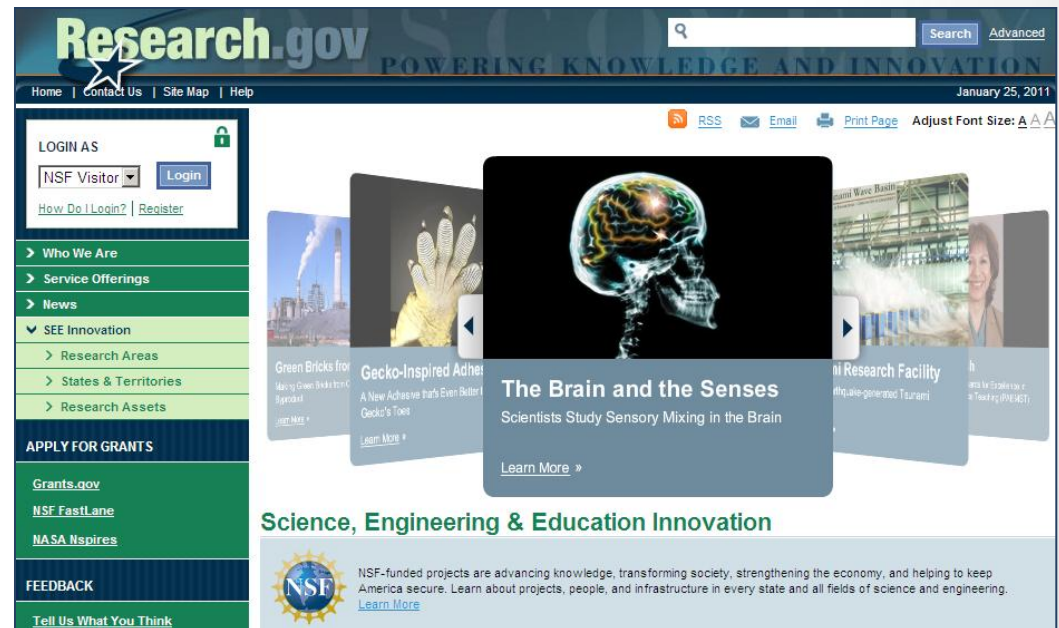
SCIENCE, ENGINEERING & EDUCATION INNOVATION – SEE INNOVATION

SEE Innovation spotlights the impact of NSF-funded research



★ SEE Innovation – illustrates how NSF investments:

- Fosters learning, discovery and breakthroughs
- Advances the frontier of knowledge
- Benefits society



SEE Innovation informs the public, the research community, and policy makers



- ★ Learn about recent discoveries
- ★ Identify potential research collaborators
- ★ Understand funded research in your state, including number of awards and funds obligated

Research.gov POWERING KNOWLEDGE AND INNOVATION

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January 25, 2011

Go to:

Iowa Statistics

Year	Total Awards
2009	\$60,698,000
2008	
2007	

Local Research Assets: 4
2009 NSF Awards: 258

[Visit Iowa](#)
[View full interactive map](#)

Award Highlights

- Modeling 3-D Geologic Structures in a Multisensory Virtual Environment**
Three-dimensional surfaces form the basis of many geoscientific tasks...
Research Areas: [Computing](#), [Earth & Environment](#)
- Cave Deposits are Archives of Earth's Past Climate**
Studies of cave formations are providing researchers with a stable isotope record that dates back 130,000 years...
Research Areas: [Earth & Environment](#)
- Improvement Made to Wireless Networks**
Researchers from the University of Iowa are studying how to prevent wireless network performance losses...
Research Areas: [Computing](#)

[More >>](#)

Local Research Assets

- Power Systems Engineering Research Center**
The Power Systems Engineering Research Center addresses the challenges of creating a modern electric energy infrastructure that enables a low-carbon e...
Institution: [Arizona State University](#)
Type: [Program Centers](#)
- Center for Information Protection**
The Center for Information Protection researches security solutions for protecting data and information assets, in order to improve the assurance post...
Institution: [Iowa State University](#)
Type: [Program Centers](#)
- Very Long Baseline Array**
The Very Long Baseline Array's 10 radio telescopes are spaced across the country from Hawaii to the Virgin Islands, spanning more than 5,000 miles and...

People of Distinction

- Jessica Gogerty**
Science
Des Moines, Iowa
- Matthew Miller**
Mathematics
Cedar Rapids, Iowa

[View All >>](#)

Recent Awards & Abstracts

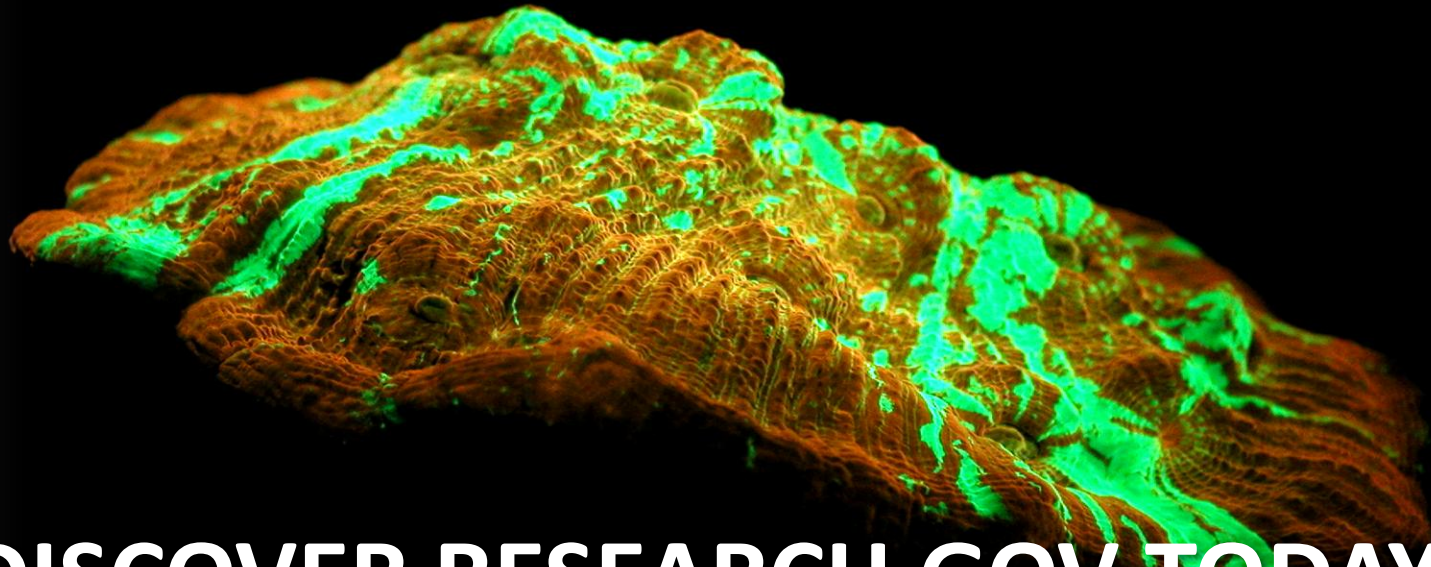
- [DNA Methylation and the Evolution of Social Insect Castes](#)
- [CAREER: Ultrafast Time/Frequency Domain Coherent Anti-Stokes Raman Spectroscopy for Combustion and Plasma Systems](#)
- [The emergence of global satellite-based land surface and hydro-meteorological products represents an important step towards the goal of flood prediction for the Mekong Basin \(PUB\). However, to achieve this goal a better understanding of its predictive poten](#)

[View All >>](#)

Grants.gov
NSF Fast Lane
NASA Inspires

FEEDBACK
[Tell Us What You Think](#)

National Science Foundation



DISCOVER RESEARCH.GOV TODAY!

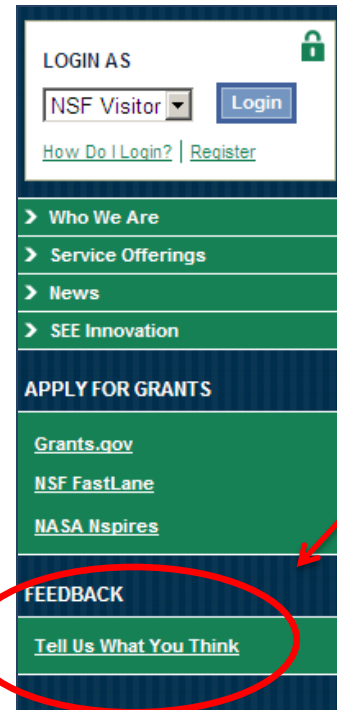
Now is the time to transition to Research.gov



- ★ Research.gov is the modernization of FastLane and evolves NSF's grants management systems to increase the quality and scope of services for the research community.
- ★ Take key steps towards Research.gov:
 - Login using your FastLane user ID and password
 - Use Research.gov as your “portal” to FastLane
 - **Make sure your DUNS number is updated in FastLane**
 - **Check your applications in Grants Application Status**
 - Stay tuned for future changes!

- NSF is hosting a series of Research.gov webinars for NSF grantees interested in learning more about Research.gov
- Email feedback@research.gov if you are interested in attending any of the following webinars:
 - **April 19:** How Can Research.gov Help Me?
 - **May 17:** A Financial Administrator's Guide to Research.gov
 - **June 13:** Progress Reports are Moving: What's In It For Me?
 - **September 24:** ACM\$ Preview: A New Approach to Award Payments

- ★ Your feedback will help Research.gov prioritize and enhance services
 - Take our ForeSee pop-up survey
 - Complete online feedback form
 - **Questions or comments?** Email us at feedback@research.gov



***Complete the
online feedback
form***

***Take the ForeSee
pop-up survey***

